Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Rooms		1	6.80	4.80		32.64		
Beams		1	6.55	4.80		31.44		
Front Beams		4	4.80	0.45		8.64		
		5	1.80	0.30		2.70		
		1	14.10	0.30		4.23		
Total Qty						**79.65**		
						79.65	208.44	**16602.00**
KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.16, PWD SR 2016-17 (Inside Wall)**	Sqm							
Rooms		4	4.80		3.00	57.60		
		2	6.80		3.00	40.80		
		2	6.55		3.00	39.30		
Front		1	14.10		3.00	42.30		
						180.00		
Deductions - For door Doors		2	0.90		2.10	3.78		
Windows		8	1.50		1.20	14.40		
						-18.18		
Total Qty						**161.82**		
Qty upto 125%						**161.82**	238.68	**38623.00**
KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **Page No. 115, Item No. 15.33, PWD SR 2016-17**	Sqm							
		Qty Vide Item No. 9+10				**241.47**		
Total Qty						**241.47**	27.00	**6520.00**
Providing wall black boards in CM 1:3 with two coats of black paint including finishing etc., complete. **Page No. 264, Item No. 37.30, PWD SR 2016-17**	Sqm							
		2	2.30	1.15		**5.29**		
Total Qty						**5.29**	992.52	**5250.00**
KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.17, PWD SR 2016-17 (Outside Wall)**	Sqm							
Out Side		1	14.10		4.13	58.23		
		2	5.35		4.13	44.19		
Total Qty						**102.42**	213.84	**21902.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
upplying and fixing pressed steel door frames size 125x65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm, thick with lock rail of 160 mm, width, top and side rails of 100 mm. width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be ot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint coats over primer coat, cost of labour for all items of work, machinery, equipment and all other charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4. **Page No. 39 / Item No. .26, PWD SR 2016-17**	Sqm							
		2	0.90		2.10	3.78		
Total Qty						**3.78**	3780.00	**14288.00**
Supplying and fixing pressed steel window frame of size 100 x 50mm manufactured from 1.25 mm thick carbon steel or imported steel strips with neat mitred joints at 900degree for window openings and shall be suitable to fix M.S. grills as per design and drawings using 12mm dia rods at 100mm Centre to Centre horizontally and two members of M.S flats of 6mmx40mm size at 150mm apart, welded into a frame of 6mmx40mm size M.S. flats with 16mm size lugs, and 3 Nos. of 100mm size hinges, 4 Nos of Butt Stay pins and 4 Nos. Tower bolts and shutters half panelled and hallf glazed with shutters made out of seasoned honne wood, styles of 30mm thick and 100mm width and rails of 30mm thick and 100mm width and using 4mm thick thin headed glass and panel, filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof vermin proof, heat resistant guaranteed against shrinkage, warp age and such other defects for a period of 3 years.This shall be as per approved drawing, specification and direction including cost of conveyance, manufacturing painting with 2 coats enamel paint over one coat of primer, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift loading and	Sqm							
For New School Rooms Windows		8	1.50		1.20	14.40		
Total Qty						**14.40**		
Qty upto 125%						**13.13**	4104.00	**53865.00**
Qty Above 125%						**1.28**	4104.00	**5233.00**
Basic Rate	3800.00							
Area Weightage @ 8%	304.00							
Total	**4104.00**							

...ption of item	Unit	No	L	B	D	Qty	Rate	Amount
SRB 14.10-1: Flooring with 25mm to 40mm thick olished **tandur blue stone slabs** using cement nortar 1:6, 25mm thick over existing cement concrete ed or top of roof laid to line and level and jointed with ement slurry mixed with pigment to match the shade f the slab, , including cost of materials, labour, curing, olishing complete as per specifications. Specification o. KBS **Page No. 103 / Item No. 14.15, PWD SR 016-17**	Sqm							
Rooms		1	6.80	4.80		32.64		
Skerting		2	6.80	0.10		1.36		
		2	4.80	0.10		0.96		
Rooms		1	6.55	4.80		31.44		
Skerting		2	6.55	0.10		1.31		
		2	4.80	0.10		0.96		
Front		1	14.10	1.60		22.56		
		1	1.60	0.10		0.16		
Skerting		1	14.10	0.10		1.41		
		1	5.50	4.80		26.40		
		2	5.50	0.10		1.10		
		2	4.80	0.10		0.96		
		2	5.50	4.80		52.80		
		4	5.80	0.10		2.32		
		4	4.90	0.10		1.96		
						178.34	1210.68	**215913.00**
SRB 15-14.1 : Providing and **applying two coats ith oil bound washable distemper** of approved rand and shade on wall surface including priming coat ith distemper primer after throughly brooming the urface free from mortar drops and other foreign matter cluding preparing the surface even and sand paper mooth, cost of materials, labour, complete as per pecifications. **Page No. 117 / Item No. 15.49.1, PWD R 2016-17**	Sqm							
		Qty Vide Item No.9+10				241.47		
						241.47	76.68	**18516.00**
SRB 15-16.1 : Providing and finishing external walls two coats with waterproof cement paint of approved rand and shade to give an even shade after throughly rooming the surface to remove all dirt and loose owdered material, free from mortar drops and other oreign matter cost of materials, labour, complete as er specifications. - **with primer. Page No. 117 / Item lo. 15.53.2, SR 2016-17.**	Sqm							
		Qty Vide Item No.12				102.42		
						102.42	90.72	**9292.00**
SRB 8.6-7 : Providing and fixing on wall surface 4.0 g / sq.cm H.D.P.E. rain down water pipes 90 mm uter dia. approved make and brand with necessary pecials like shoes, bends and offsets fixed with iron amps, wall plugs, screws, including cost of materials, bour, complete as per specifications. **Page No. 47 / em No. 8.18, PWD** SR **2016-17**	m							
		8	6.50			52.00		
Total Qty						**52.00**		
Qty upto 125%						**15.00**	462.72	**6941.00**
Qty Above 125%						**37.00**	462.24	**17103.00**
Basic Rate	428.00							
Area Weightage @ 8%	34.24							
Total	**462.24**							

Item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 8.3-1 : Providing and laying to required line and slope roofing with corrugated asbestos cement sheet 6mm. thick fixed with galvanised iron J or L hooks, bolts and nuts 8mm. dia C.I plain and bitumen washers over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications. Specification No. KBS 8.5 **Page No. 46, Item No. 8.3 PWD SR 2016-17**	Sqm							
		Not Executed						
							Total	**1978899.00**

Rupees Nineteen Lakh(s) Seventy Eight Thousand Eight Hundred Ninety Nine Only

TIFICATE:

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per PWD SR of 2016-17.
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

AE-4
Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

15/10
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
15/10

Technical Sanction
Accorded For Rs 1978899.00
Head of A/C P-3075
CER NO : 55/25/18-19 Dt 26.10.18

TA CE (YNK)

BRUHAT BANGALORE MAHANAGARA PALIKE
YALAHANKA ZONE

Name of Work: Modified Estimate for Construction of Additional Class Rooms to Govt. Higher Primary School of Singapura in Ward No. 11 (Kuvempunagara) Vidyaranyapura Sub Division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							Estimate Cost Rs.		1978899.00
	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 **Page No. 5 / Item No. 2.3 of PWD SR 2016-17**	Cum							
	For Road Work		1	98.00	4.60	0.30	135.24		
	For Sump		1	4.00	3.00	2.80	33.60		
	Total Qty						**168.84**		
	Qty upto 125%						**105.91**	204.12	**21619.00**
	Qty Above 125%						**62.93**	204.12	**12845.00**
	Basic Rate	189.00							
	Area Weightage @ 8%	15.12							
	Total	**204.12**							
	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum							
	For Road Work		1	98.00	4.50	0.15	66.15		
	For Sump		1	4.00	3.00	0.15	1.80		
	Total Qty						**67.95**		
	Qty upto 125%						**29.34**	5256.36	**154208.00**
	Qty Above 125%						**38.61**	5256.36	**202961.00**
	Basic Rate	4867.00							
	Area Weightage @ 8%	389.36							
	Total	**5256.36**							
	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6, stone** hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.6, PWD SR 2016-17**	Cum							
	For Sump		2	4.00	0.75	1.00	6.00		
			2	3.00	0.75	1.00	4.50		
							10.50	4521.96	**47481.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
SRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**								
For Sump	Cum							
		2	4.00	0.60	1.00	4.80		
		2	3.00	0.60	1.00	3.60		
						8.40	5405.40	**45405.00**
KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.3, PWD SR 2016-17**								
For Sump	Sqm							
		2	4.00		1.00	8.00		
		2	3.00		1.00	6.00		
						14.00	105.84	**1482.00**
KSRB 2-4 : **Refilling available earth** around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. **Page No. 5 / Item No. 2.11 of PWD SR 2016-17**	Cum							
		Not Executed						
KSRB 4-6.1 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.28, PWD SR 2016-17**	Sqm							
Column		10	1.30		4.00	52.00		
		3	1.00		4.00	12.00		
Lintel		2	38.10		0.20	15.24		
Beam		2	4.80		1.20	11.52		
		5	1.60		0.90	7.20		
		1	14.10		0.90	12.69		
Tie Beam		2	38.10		0.45	34.29		
						144.94	249.48	**36160.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13 / Item No. 4.11 / PWD SR 2016-17**	Cum							
Column		10	0.45	0.20	4.00	3.60		
		3	0.30	0.30	4.00	1.08		
Lintel		1	38.10	0.20	0.20	1.52		
Beam		2	4.80	0.30	0.45	1.30		
Front Beam		1	14.10	0.30	0.30	1.27		
		5	1.60	0.30	0.30	0.72		
Tie Beam		1	38.10	0.20	0.45	3.43		
Roof Slab		1	14.10	7.10	0.15	15.02		
		1	98.00	4.50	0.125	55.13		
		1	4.00	3.00	0.150	1.80		
Total Qty						**84.86**		
Qty upto 125%						**67.41**	6491.88	**437634.00**
Qty Above 125%						**17.45**	6491.88	**113264.00**
Basic Rate	6011.00							
Area Weightage @ 8%	480.88							
Total	**6491.88**							
KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2016-17**	Tonne							
125 Kgs/ Cum		0.125	29.73			3.72		
						3.72	60534.00	**224994.00**
KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and **removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm** including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.18 / PWD SR 2016-17**	Sqm							
Roof Rooms 1		1	6.80	4.80		32.64		
		1	6.55	4.80		31.44		
Front 1		1	14.10	1.60		22.56		
Roof Sides		2	14.10		0.15	4.23		
		2	7.00		0.15	2.10		
						92.97	331.78	**30846.00**